

Beaumont Fire-Rescue Services

PERFORMANCE BENCHMARKS

406.011

Material Safety Data Sheet

Discipline: Hazardous Materials
Effective: 1/1/2001
Revised: 7/5/2010
Replaces: Firefighter Benchmark #93

Anne Huff, Fire Chief

I. Objective

Given a material safety data sheet, the firefighter shall identify the following: 1) physical and chemical characteristics, 2) physical hazards of the material, 3) health hazards of the material, 4) signs and symptoms of the material, 5) routes of entry, 6) permissible exposure limits, 7) responsible party contact, 8) precautions for safe handling, 9) applicable control measures, 10) emergency first aid procedures and 10) verbally identify two (2) ways to obtain a MSDS in an emergency.

II. Instructions – Procedures for Achieving the Objective

I will give you a material safety data sheet (MSDS). You shall verbally identify to me: 1) physical and chemical characteristics, 2) physical hazards of the material, 3) health hazards of the material, 4) signs and symptoms of the material, 5) routes of entry, 6) permissible exposure limits, 7) responsible party contact, 8) precautions for safe handling, 9) applicable control measures, 10) emergency first aid procedures and 11) identify 2 ways to obtain a MSDS in an emergency. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

III. Examiner's Note

The firefighter will not be allowed to review the performance steps at the time of testing.

IV. Preparation & Equipment

Various material safety data sheets

V. Reference Sources

- A. TCFP, Performance Standards, Section 166-4.13
- B. NFPA, National Fire Protection Association 472, 2-2.1.10.1-3, 3-2.2.2, and 3-2.2.3 a-j
- C. IFSTA Hazardous Materials for First Responders, 2nd Edition, pages 51-54.

406.011 - Material Safety Data Sheet

Discipline: Hazardous Materials

Name:	Officer #:
Evaluator:	Officer #:
Date:	Location:

If the firefighter:

(No partial points given)

- a) Verbally identifies the physical and chemical characteristics..... 1.0 _____
- b) Verbally identifies the physical hazard of the material 1.0 _____
- c) Verbally identifies the health hazards of the chemical..... 1.0 _____
- d) Verbally identifies the signs and symptoms of exposure to the chemical 1.0 _____
- e) Verbally identifies the routes of entry to the body 1.0 _____
- f) Verbally identifies the permissible exposure limits of the chemical 1.0 _____
- g) Verbally identifies the responsible party contact 1.0 _____
- h) Verbally identifies the precautions for safe handling 1.0 _____
- i) Verbally identifies the applicable control measures..... 1.0 _____
- j) Verbally identifies the emergency first aid procedures for the chemical 1.0 _____
- k) Verbally identifies two (2) ways to obtain a MSDS in an emergency 1.0 _____

Points Possible	Passing Score	Attempt	Performance Rating (Points)	PASS	FAIL
11	8	First			
		Second			
		Third			